

Mini-Max M240 Temperature Indicator



- 3/64 DIN Temperature Indicator
- Jumper – selectable display for °C / °F
- Screw terminals connector for easy installation
- Unique mounting bracket allows for stacking of multiple meters

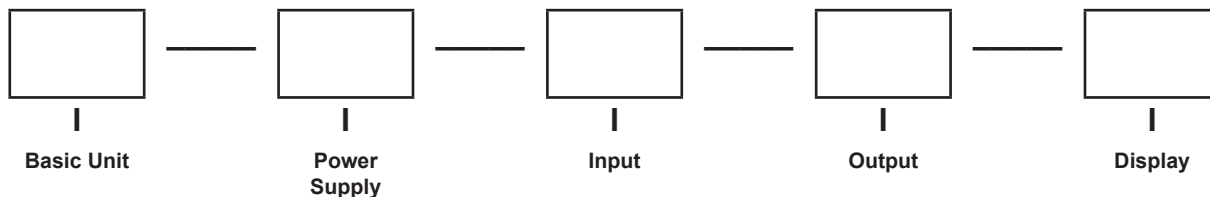
Specifications -			
DISPLAY			
Type	7- segment, red LED		
Height	0.56” (14.2mm)		
Display resolution	0.1° from -99.9° to 999.9°; 1.0° below 100° or above 1000°; 0.1mV for mV indication		
Overrange Indication (T/C or mV)	The left-most digit shows 1: “1” (other digits are blank)		
Open or faulty input connection	“-----”		
Uncalibrated instrument	Display will flash continously “INFO FAIL CALB REQD” upon application of power.		
Polarity	Automatic, with “-” indication, “+” indication implied		
POWER REQUIREMENTS			
AC Voltages	85 - 250VAC @ 50-60Hz		
Power Consumption	2 VA		
INPUTS			
Thermocouple	J, K		
Millivolt	± 70mV (Uncompensated for temperature)		
Lead Resistance Effect	-13µV / 100Ω max.		
RTD	Platinum 100 Ohm (.00385 alpha)		
Lead Resistance Effect	2- and 3- wire 1° / .29Ω max.		
Temperature Coefficient	± 0.2°C / °C		
	Input Type	Temperature Range	Accuracy @ 25°C
	K T/C	-100 to 1370°C -148 to 2498°F	± (0.1% rdg +1.5°C) ± (0.1% rdg +2.7°F)
	J T/C	-100 to 1200°C -148 to 2192°F	± (0.1% rdg +1.5°C) ± (0.1% rdg +2.7°F)
	RTD Pt100 (4-wire)	-100 to 850°C -148 to 1562°F	± (0.2% rdg +1.5°C) ± (0.2% rdg +2.7°F)
	mV	-70 to 70mV	± (0.1% rdg +0.1mV)
Input Impedance	22MΩ		
ENVIRONMENTAL			
Operating Temperature	0 to 55°C		
Storage Temperature	-10 to 60°C		
Relative Humidity	0 to 85% non-condensing		
Warmup time	Less than 20 minutes		
A/D Conversion Techniques	12 Bit Successive Approximation (SAR)		
Rate	10 samples per second		
NOISE REJECTION			
NMRR	60dB, 50/60Hz		
CMRR	(w / 1kΩ unbalanced @ 60Hz) 90dB min		
MECHANICAL			
Bezel	0.94” x 2.83”		
Depth	2.36”		
Panel cutout	0.89” x 2.71”		
Weight	3.5 oz. (99.2 g)		
Case Material	94-0, UL-rated, glass-filled thermoplastic		

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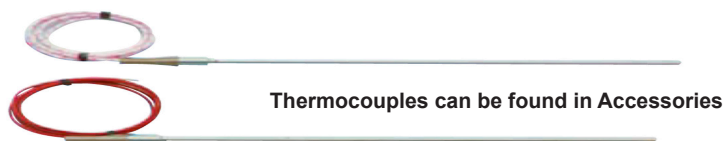
Ordering Information -

Mini-Max indicators can be configured by making an entry in each section below.

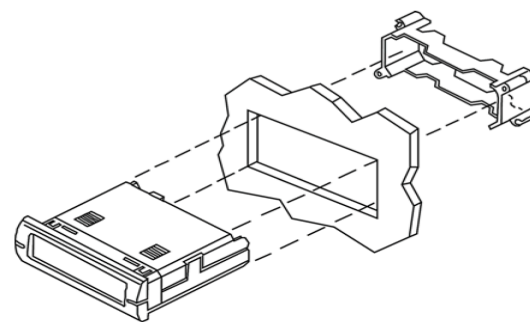
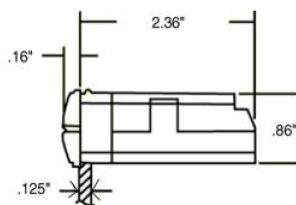
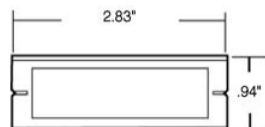
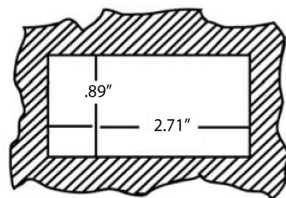
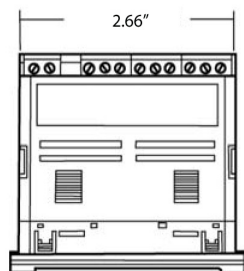
Example: M240-0-91-0-F.



Select From Each One Below									
Basic Unit			Input			Output			
	M240	4 Digit LED		91	J T/C		0	None	
				92	K T/C	Display			
				93	RTD Pt100 Ohm				
Power Supply				94	DC mV		C	°C	
	0	85-250 VAC					F	°F	
							0	mV (only available with DC mV Input)	



Dimensions and Panel Cutout - M235, M245 & M240



Mounting Instructions

Insert the Mini-Max through the panel, and then slide the mounting bracket on to the Mini-Max.

The mounting bracket allows Mini-Max units to be stacked side-to-side or top-to-bottom.

Panel cutout instructions for stacking multiple units are provided in the operator's manual.

Mouser Electronics

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Simpson:

[M2400910F](#) [M2400920C](#)